

Docket No. 042390-P4024
TAV/cad

Patent

IN THE CLAIMS

Please amend the claims as follows.

For the Examiner's convenience, a list of all claims is included below.

1-30 (Cancelled)

31. (Currently Amended) A memory device, comprising:

a memory array;

a register to store at least one bit indicating a suspend status of a write operation for the memory array, and at least one bit indicating that a write operation was suspended due to an attempt to access data in a protected memory block; and

a control circuit coupled to said memory array and said register, said control circuit to update said register and to control an output of a status signal representing said suspend status of said write operation, and wherein said control circuit includes:

a first state machine to receive commands for accessing said memory array or said register, and

a second state machine coupled to said first state machine and to execute the commands received by said first state machine.

32. (Previously Presented) The memory device of claim 31, wherein said write operation represents a byte write operation.

33. (Previously Presented) The memory device of claim 31, wherein said status signal represents a byte write suspend command.

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34. (Previously Presented) The memory device of claim 31, wherein said control circuit is to receive a status request signal and said register is to output said status signal in response to said status request signal, said status signal having a first state to indicate said write operation is suspended and a second state to indicate said write operation is not suspended.
35. (Previously Presented) The memory device of claim 31, further comprising:
at least one data input/output coupled to said control circuit, wherein the at least one data input/output is to receive said status request signal from a processor and to provide said status signal to said processor.
36. (Previously Presented) The memory device of claim 31, further comprising:
a status output coupled to said register, wherein said status output is to provide a second status signal if said status output is polled, and wherein said second status signal having a first state to indicate said write operation is suspended and a second state to indicate said write operation is not suspended.
37. (Previously Presented) The memory device of claim 31, wherein said status request signal is a read status register command.